

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Application of:

Ramanujan Valmiki, et al.

U.S. Serial No.: 10/623,839

Filed: July 16, 2003

For: VIDEO AND GRAPHICS SYSTEM  
WITH AN MPEG VIDEO DECODER  
FOR CONCURRENT MULTI-ROW  
DECODING

Examiner: Sajous, Wesner

Group Art Unit: 2628

Confirmation No.: 6514

**ELECTRONICALLY FILED**  
**On March 29, 2007**

**LITIGATION STATEMENT PURSUANT TO MPEP § 2001.06(C) and INFORMATION**  
**DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The owner of record of the present application, Broadcom Corporation, is currently involved in a patent infringement action with Qualcomm, Inc., Case No. 06-CV-0660 B, pending in the Southern District of California.

Pursuant to MPEP 2001.06(c), the Applicants would like to bring to the attention of the U.S. Patent and Trademark Office that the subject matter currently being claimed in the present application may be related to at least one of the patents currently asserted by Broadcom in the above-mentioned lawsuit.

The Applicants have also attached with this electronic submission a completed PTO form PTO/SB/08A which has seven (7) pages. Copies of each printed reference listed in the PTO/SB/08A form are attached with this electronic submission. Applicants, however, have not

submitted U.S. Patents or other references previously provided to or by the PTO in this application. Fifty-seven (57) references are attached in this electronic submission.

The references being submitted have been either cited, produced or relied upon by Qualcomm thus far during the above-mentioned lawsuit. This submission is in no way intended as an admission that the submitted references constitute prior art under any subsection of 35 U.S.C. §102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

The Examiner is requested to initial the attached PTO/SB/08A and return one copy to the applicants to indicate consideration of the attached references.

No fee is believed to be due because:

- \* The applicant(s) believe(s) that this statement and enclosures are being filed before the first Office action on the merits has been mailed by the PTO. The basis of this belief is that no Office action on the merits appears to have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

Respectfully submitted,

Date: March 29, 2007

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/623,839
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				Group Art Unit	2628
				Examiner Name	Sajous, Wesner
				Attorney Docket Number	17413US02
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U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	4,020,332	04-26-1977	Crochiere et al.	
	A2	4,367,466	01-04-1983	Takeda et al.	
	A3	4,532,547	07-30-1985	Bennett	
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	A5	4,688,033	08-18-1987	Carini et al.	
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	A38	5,621,869	04-15-1997	Drews	

EXAMINER SIGNATURE	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary))

**Complete if Known**

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Examiner Name	Sajous, Wesner
Attorney Docket Number	17413US02

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	A125	6,157,415	12-05-2000	Glen	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
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	B5	EP 0 840 505	05-06-1998	Chauvel		
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**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Plaintiff and Counterdefendant Qualcomm Incorporated's Preliminary Invalidity Contentions For U.S. Patent 6,501,480 and 6,570,579
	C2	Thomas Porter & Tom Duff, "Compositing Digital Images", Computer Graphics, Vol. 18, No. 3, July 1984, pp. 253-259
	C3	Akeley, K. & Jermoluk T., "High-Performance Polygon Rendering," 22 Computer Graphics No. 4 (ACM August 1988).
	C4	Apgar, B., et al., "A Display System for the Stellar Graphics Superconductor Model GS1000," 22 Computer Graphics No. 4 (ACM August 1988).
	C5	Asai, M.D., et al., "Novel Architecture for a High Performance Full Custom Graphics Processor," (IEEE 1989).
	C6	Awaga, M., et al., "3D Graphics Processor Chip Set," (IEEE December 1995).
	C7	Cox, M. & Bhandari, N., "Architectural Implications of Hardware-Accelerated Bucket Rendering on the PC," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).
	C8	Cyrix Corporation Manual, copyrighted 1996, 1997, and all underlying development work.
	C9	Deering, M., et al., "The Triangle Processor and Normal Vector Shader: A VLSI System for High Performance Graphics," 22 Computer Graphics No. 4 (ACM August 1988).
	C10	Donovan, W., et al., "Pixel Processing in a Memory Controller," (IEEE Computer Graphics and Applications 1995).
	C11	Dutton, T., "The Design of the DEC 3000 Model 500 AXP Workstation," (IEEE 1993).
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				Filing Date	July 16, 2003
				First Named Inventor	Ramanujan Valmiki
				Group Art Unit	2628
				Examiner Name	Sajous, Wesner
				Attorney Docket Number	17413US02
Sheet	6	Of	7		

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C21	McCormack, J., et al., "Neon: A Single-Chip 3D Workstation Graphics Accelerator," (SIGGRAPH Eurograph Workshop Graph Hardware August 31, - Sept. 1, 1998).
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	C45	Mokry, Robert et al., "Minimal Error Drift in Frequency Scalability for Motion-Compensated DCT Coding," IEEE Transactions on Circuits and Systems for Video Technology, pp. 392-406, vol. 4, No. 4, Aug. 1994.
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